Table of Contents

Executive Summary	i
1. Introduction - Status of the Gulf of Mexico and Southern Atlantic States Shrimp Fisheries	1
2. An Overview of the Commercial Shrimp Harvesting Industry in the Gulf of Mexic	o 7
and South Atlantic Region 2.1 Introduction	7
2.1 Introduction 2.2 U.S. Shrimp Supply and Regional Shares	7 9
2.2 U.S. and Regional Shrimp Landings	11
2.3.1 Gulf of Mexico Landings	12
2.3.2 South Atlantic Landings	14
2.3.3 Domestic Shrimp Aquaculture	14
2.3.4 Global Economy and Trade-related Issues	15
2.4 Regional Dockside Value	16
2.4.1Gulf of Mexico Region	16
2.4.2 South Atlantic Region	16
2.5 Price Trends	17
2.6 Management History	20
2.6.1 Gulf of Mexico Region	20
2.6.2 South Atlantic Region	21
2.6.3 Policy-related Changes	21
2.7 Vessel Operating Expenses	22
2.8 Recent Changes Culminating in the Domestic Shrimp Market	23
3. An Overview of the Shrimp Trade and Processing Industry in the Gulf of Mexico	27
and South Atlantic Region	
3.1 Imports	27
3.1.1 International Shrimp Market	27
3.1.1.1 World Shrimp Supply	28
3.1.1.2 World Exports and Imports	29
3.1.1.3 U.S. Imports: A Closer Look	31
3.1.1.4 The Current Situation	33
3.2 Processing	36
3.2.1 Firms and Production Activity	36
3.2.2 Estimated Marketing Margins	37
3.2.3 Coping With a Declining Marketing Margin	38
3.2.4 A Closer Look at the Deteriorating Marketing Margin and Products Produced	38
3.2.4.1 Headless Shell-on Shrimp	38
3.2.4.1 Headless Shell-on Shrimp 3.2.4.2 Peeled Shrimp	40
3.2.4.3 Breaded Shrimp	41
3.2.4.4 Other Shrimp Products	41
5 5 mmp 1 1 0 4 4 6 6	

4. Market Promotion	51
4.1 Introduction	51
4.2 Marketing Strategies	51
4.2.1 Generic Promotion	51
4.2.1.1 Can a Promotion Program for Shrimp be Successful?	53
4.2.1.1.1 Characteristics of the Commodity	54
4.2.1.1.2 Characteristics of the Industry	58
4.2.1.2 Financing: How Much and How?	64
4.2.1.2.1 How Much?	64
4.2.1.2.2 How?	66
4.2.1.3 A Closer Evaluation: Should Imports be Included in the	69
Promotion Plan?	
4.2.1.4 Market Structure and Generic Promotion	69
4.2.1.5 Critical Mass – Size Matters	71
4.2.1.6 Economies to Scale	72
4.2.1.7 Concluding Comments Regarding Generic Promotion	72
4.2.2 Direct Marketing	73
4.2.3 Ecolabeling	74
4.2.4 Quality	78
5. Fishery Assessment of Proposed Options for the Gulf of Mexico	79
and South Atlantic	
5.1 Shrimp Fisheries as Open Access Resources	79
5.2 Policies Analyzed	81
5.2.1 Description of Policies	81
5.2.2 Specific Policies Analyzed in the Simulation	83
5.3 Simulation Analysis	84
5.4 Results of Simulation Analysis	87
5.4.1 Permit/License Moratorium	88
5.4.2 Government Buyback Program	89
5.4.2.1 Buyback with a Grant	89
5.4.2.2 Buyback with a Loan to Fishermen	91
5.4.3 Government Price Supports	93
5.4.4 Marketing Program to Increase Shrimp Prices	93
5.4.5 Cooperatives for Maximum Profit (Collective Group Action)	94
5.4.6 Fractional License Program	95
6. Economic Impacts of Options Proposed to Alleviate the Problems	127
Confronting the U.S. Shrimp Fishery	
6.1 Introduction	127
6.2 Methodology and Data for Assessing the Potential Economic Impacts	128
6.3 The Proposed Options and Impacts	130
7. Summary - Status of the Gulf of Mexico and Southern Atlantic States Shrimp	151
Fisheries	1.54
7.1 Introduction	151

154 156 157 158 159 159
157 158 159
158 159
159
159
160
160
162
164
165
166
166
168
169
170
170
171
-127
31-4
-106
1-16
E1-4
- 3 - 1